REINFORCED MASONRY RETAINING WALLS

GENERAL NOTES

1. The minimum concrete compressive strength at 28 days shall be 3,000 PSI and shall comply with ACI 318.
2. Reinforcing steel shall comply with ASTM A615 and shall have a yield strength of 60,000 PSI.
3. Concrete masonry blocks shall comply with ASTM C90.
4. All joint reinforcement, ties and other accessories shall be resistant to corrosion.
5. All head and bed joints shall be 3/8" thick. Bed joints of the starting course over the concrete foundation may be between 1/4" and 3/4". Mortar shall conform to ASTM C270.
6. Backfilling against reinforced masonry retaining walls shall not be permitted until at least 7 days after placing concrete or grout in cores. Heavy equipment shall maintain a distance away from the wall equal to the wall's height. Care shall also be taken to avoid exerting large impact forces on the wall.

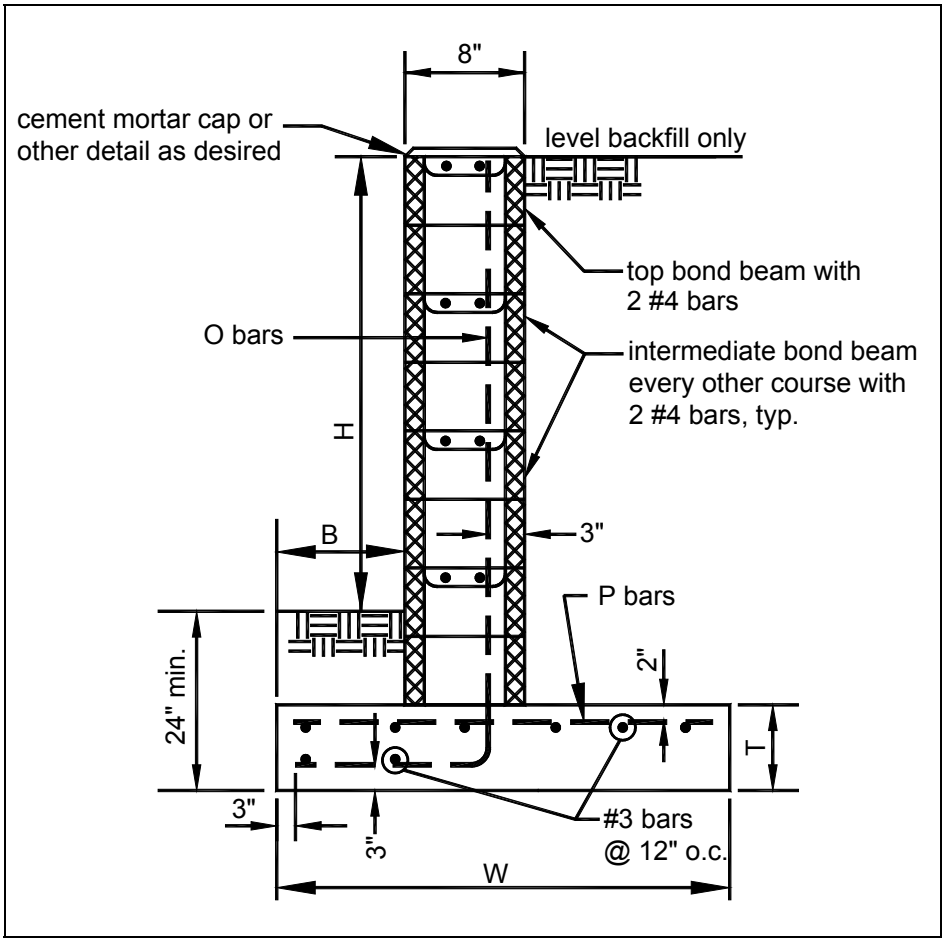

FIGURE 5: TYPICAL MASONRY WALL SECTION

TABLE 1: TYPICAL MASONRY WALL SPECIFICATIONS*

Dimensions				Reinforcing Bars	
H	B	W	T	O	P
2'-0"	12"	2'-8"	9"	#3@32"o.c.	#3@27"o.c.
2'-9"	12"	3'-0"	9"	#4@32"o.c.	#3@27"o.c.
3'-6"	12"	3'-3"	10"	#5@32"o.c.	#3@27"o.c.
3'-10"	14"	3'-8"	10"	#4@16"o.c.	#4@30"o.c.
5'-0"	15"	4'-2"	12"	#6@24"o.c.	#4@25"o.c.

*Reference: National Concrete Masonry Association.